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DEPARTMENT OF THE ARMY

JUSTIFICATION OF ESTIMATES FOR FY 1992/FY 1993 BIENNIAL BUDGET

SUBMITTED TO CONGRESS

FEBRUARY 1991



PROCUREMENT AMMUNITION, ARMY

AIRCRAFT	MISSILES
WEAPONS AND TRACKED COMBAT VEHICLES	OTHER
AMMUNITION	

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DEPARTMENT OF THE ARMY
PROCUREMENT OF AMMUNITION, ARMY

JUSTIFICATION OF ESTIMATES FOR FISCAL YEARS 1992/1993

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Accession For	NTIS CRA&I	DTIC TAB	Unannounced	Justification <i>per phone call</i>
By	[initials]	[initials]	[initials]	Statement A, per phone call with Larry Stopher, Office of the Assistant Sec. of the Army(Financial Mgmt), Pentagon (3E-663), Wash, DC 20310. Tele(703)697-6241
Activity Co. No				Vic LaChance DTIC-FDAB 3/25-91
Activity Co. No	Army Materiel Com	Army Materiel Com	Army Materiel Com	Army Materiel Com
Activity Co. No	Special	Special	Special	Special

A-1

PROCUREMENT OF AMMUNITION, ARMY

Section 1:

Budget Appendix Extract

Appropriation Language

Program and Financing Schedule

PROCUREMENT OF AMMUNITION, ARMY

APPROPRIATION LANGUAGE

For construction, procurement, production, and modification of ammunition, and accessories therefore; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities [authorized in military construction authorization Acts or] authorized by section 2854, title 10, United States Code, and the land necessary therefor, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes; [\$1,367,549,000] \$1,249,800,000, to remain available for obligation until September 30, [1993] 1994, of which \$115,900,000 shall be available for the Army National Guard and Army Reserve.

Further, for the foregoing purposes, \$1,195,400,000, to become available for obligation on October 1, 1992 and to remain available for obligation until September 30, 1995, of which \$46,400,000 shall be available for the Army National Guard and Army Reserve. (10 U.S.C. 2353, 2361, 3013, 4531-32; Department of Defense Appropriation Act, 1991; additional authorizing legislation to be proposed.)

Procurement of Ammunition, Army SUMMARY

		Budget Plan (amounts for PROCUREMENT actions programmed)		
		1990 actual	1991 est.	1992 est.
Program and Financing (in Thousands of dollars)				1993 est.
Identification code	21-2034-0-1-051			
Program by activities:				
Direct program:				
Ammunition production base support	-	1,623,160	1,115,753	1,048,477
Total direct program	00.0201	282,863	235,734	201,323
Reimbursable program	00.9101	1,906,043	1,351,487	1,249,800
Total	01.0101	18,101	40,000	40,000
	10.0001	1,924,144	1,391,487	1,289,800
Financing:				
Offsetting collections from:				
Federal funds(-)	11.0001	-17,005	-28,748	-28,748
Trust funds(-)	13.0001	-698	-9,700	-9,700
Non-Federal sources(-)	14.0001	-398	-1,552	-1,552
Recovery of prior year obligations	17.0001			
Unobligated balance available, start of year:				
For completion of prior year budget plans	21.4002	-310,453	-102,000	
Available to finance new budget plans	21.4003	162,963	12,000	
Reprogramming from/to prior year budget plans	21.4009			
Unobligated balance transferred to other accounts	22.4001			
Unobligated balance available, end of year:				
For completion of prior year budget plans	24.4002	102,000		
Available to finance subsequent year budget plans	24.4003	453		
Unobligated balance lapsing	25.0001			
Budget authority	39.0001	1,861,006	1,261,487	1,249,800
Budget authority:				
Appropriation	40.0001	2,011,243	1,367,549	1,249,800
Appropriation rescinded (-)	40.3501	-45,200		1,195,400
Appropriation rescinded (unob bal)	40.3601		-90,000	
Reduction pursuant to P.L. 101-511 (-)	40.7502		-368	
Transferred to other accounts (-)*	41.0001	-105,037	-15,694	
Appropriation (adjusted)	43.0001	1,861,006	1,261,487	1,249,800
Relation of obligations to outlays:				
Obligations incurred, net	71.0001			
Obligated balance, start of year	72.4001			
Obligated balance, end of year	74.4001			
Adjustments in expired accounts (net)	77.0001			
Adjustments in unexpired accounts	78.0001			
Outlays	90.0001			

**Procurement of Ammunition, Army
Program and Financing (in Thousands of dollars) SUMMARY**

Obligations

Identification code	21-2034-0-1-051	1990 actual	1991 est.	1992 est.	1993 est.
Program by activities:					
Direct program:					
00. 0101	Ammunition	1,777,495	1,049,439	1,007,402	
00. 0201	Ammunition production base support	211,250	254,866	254,294	197,434
00. 9101	Total direct program	1,988,745	1,334,095	1,303,733	1,204,836
01. 0101	Reimbursable program	14,850	45,226	40,000	40,000
10. 0001	Total	2,003,595	1,379,321	1,343,733	1,244,836
Financing:					
Offsetting collections from:					
11. 0001	Federal funds (-)	-15,447	-28,748	-28,748	-28,748
13. 0001	Trust funds (-)	4,249	-9,700	-9,700	-9,700
14. 0001	Non-federal sources (-)	-262	-1,552	-1,552	-1,552
17. 0001	Recovery of prior year obligations	-389,136			
Unobligated balance available, start of year:					
21. 4002	For completion of prior year budget plans	-221,934	-214,525	-226,691	-172,758
21. 4003	Available to finance new budget plans		-102,000		
21. 4009	Reprogramming from/to prior year budget plans				
22. 4001	Unobligated balance transferred to other accounts	162,963	12,000		
24. 4002	Unobligated balance available, end of year:				
24. 4003	For completion of prior year budget plans	214,525	226,691	172,758	163,322
25. 0001	Available to finance subsequent year budget plans	102,000			
	Unobligated balance lapsing	453			
39. 0001	Budget authority	1,861,006	1,261,487	1,249,800	1,195,400
Budget authority:					
40. 0001	Appropriation	2,011,243	1,367,549	1,249,800	1,195,400
4C. 3501	Appropriation rescinded (-)	-45,200			
40. 3601	Appropriation rescinded (unob bal)		-90,000		
40. 7502	Reduction pursuant to P.L. 101-511 (-)		-368		
41. 0001	Transferred to other accounts (-)*	-105,037	-15,694		
43. 0001	Appropriation (adjusted)	1,861,006	1,261,487	1,249,800	1,195,400
Relation of obligations to outlays:					
71. 0001	Obligations incurred, net	1,992,135	1,339,321	1,303,733	1,204,836
72. 4001	Obligated balance, start of year	3,418,948	3,012,557	2,598,387	2,284,479
74. 4001	Obligated balance, end of year	-3,012,557	-2,598,387	-2,284,479	-2,156,467
77. 0001	Adjustments in expired accounts (net)	-6,514			
78. 0001	Adjustments in unexpired accounts	-389,136			
90. 0001	Outlays	2,002,776	1,753,491	1,617,641	1,332,848

Procurement of Ammunition, Army
Object Classification (in Thousands of dollars) SUMMARY

		1990 actual	1991 est.	1992 est.	1993 est.
Identification code 21-2034-0-1-051					
Direct obligations:					
Other services:					
125.004 Other		409,212	269,967	282,956	244,149
126.001 Supplies and materials		1,562,245	1,054,960	1,011,168	952,396
131.001 Equipment		17,288	9,168	9,609	8,291
199.001 Total Direct obligations		1,988,745	1,334,095	1,303,733	1,204,836
Reimbursable obligations:					
Other services:					
225.004 Other		3,056	7,425	7,425	7,425
226.001 Supplies and materials		11,665	37,549	32,323	32,323
231.001 Equipment		129	252	252	252
299.001 Total Reimbursable obligations		14,850	45,226	40,000	40,000
999.901 Total obligations		2,003,595	1,379,321	1,343,733	1,244,836

Procurement of Ammunition, Army
Program and Financing (in Thousands of dollars) FISCAL YEAR 1988

Budget Plan (amounts for PROCUREMENT
actions programmed)

	Identification code	21-2034-0-1-051	1990 actual	1991 est.	1992 est.	1993 est.
Program by activities:						
Direct program:						
00.0101	Ammunition					
00.0201	Ammunition production base support					
10.0001	Total					
Financing:						
Offsetting collections from:						
11.0001	Federal funds (-)					
13.0001	Trust funds (-)					
14.0001	Non-Federal sources (-)					
17.0001	Recovery of prior year obligations					
Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans	-238,453				
21.4009	Reprogramming from/to prior year budget plans	162,963				
22.4001	Unobligated balance transferred to other accounts	453				
25.0001	Unobligated balance lapsing					
41.0001	Budget authority (Transferred to other accou	-75,037				

Procurement of Ammunition, Army
Program and Financing (in Thousands of dollars) FISCAL YEAR 1988

		1990 actual	1991 est.	1992 est.	1993 est.
		Obligations			
Identification code	21-2034-0-1-051				
Program by activities:					
Direct program:					
Ammunition		88,824			
Ammunition production base support		2,713			
Total		91,537			
Financing:					
Offsetting collections from:					
Federal funds(-)		1,253			
Trust funds(-)		4,933			
Non-Federal sources(-)		134			
Recovery of prior year obligations					
Unobligated balance available, start of year:					
For completion of prior year budget plans		-272,491			
Reprogramming from/to prior year budget plans		-63,819			
Unobligated balance transferred to other accounts		162,963			
Unobligated balance lapsing		453			
Budget authority (Transferred to other accou		-75,037			

**Procurement of Ammunition, Army
Program and Financing (in Thousands of dollars) FISCAL YEAR 1989**

		Budget Plan (amounts for PROCUREMENT actions programmed)		
Identification code	21-2034-0-1-051	1990 actual	1991 est.	1992 est.
Program by activities:				
Direct program:				
Ammunition				
Ammunition production base support				
Total direct program	00.9101			
Reimbursable program	01.0101			
Total	10.0001			
Financing:				
Offsetting collections from:				
Federal funds(-)	11.0001			
Trust funds(-)	13.0001			
Non-Federal sources(-)	14.0001			
Recovery of prior year obligations	17.0001			
Unobligated balance available, start of year:				
For completion of prior year budget plans	21.4002			
Available to finance new budget plans	21.4003			-72,000
Reprogramming from/to prior year budget plans	21.4009			-72,000
Unobligated balance available, end of year:				
For completion of prior year budget plans	24.4002			
Available to finance subsequent year budget plans	24.4003			72,000
Budget authority (Appropriation rescinded) (40.3601			-72,000

Procurement of Ammunition, Army
Program and Financing (in Thousands of dollars) FISCAL YEAR 1989

		Obligations			
		1990 actual	1991 est.	1992 est.	1993 est.
Program by activities:					
Direct program:					
00 . 0101	Ammunition	153,702	311,562		
00 . 0201	Ammunition production base support	9,439	5,761		
00 . 9101	Total direct program	163,141	37,323		
01 . 0101	Reimbursable program	178	1,797		
10 . 0001	Total	163,319	39,120		
Financing:					
Offsetting collections from:					
11 . 0001	Federal funds(-)	305			
13 . 0001	Trust funds(-)	14			
14 . 0001	Non-Federal sources(-)	2			
17 . 0001	Recovery of prior year obligations				
21 . 4002	Unobligated balance available, start of year:	-116,645			
21 . 4003	For completion of prior year budget plans	-158,115	-39,120		
21 . 4009	Available to finance new budget plans	-72,000			
24 . 4002	Reprogramming from/to prior year budget plans				
24 . 4003	Unobligated balance available, end of year:	39,120			
24 . 4003	For completion of prior year budget plans	72,000			
40 . 3601	Available to finance subsequent year budget plans				
	Budget authority (Appropriation rescinded) (
					-72,000

**Procurement of Ammunition, Army
Program and Financing (in Thousands of dollars) FISCAL YEAR 1990**

		Budget Plan (amounts for PROCUREMENT actions programmed)	
Identification code	21-2034-0-1-051	1990 actual	1991 est.
Program by activities:		1992 est.	1993 est.
00 .0101	Direct program:		
Ammunition		1,623,180	
Ammunition production base support		282,863	
00 .9101	Total direct program	1,906,043	
01 .0101	Reimbursable program	18,101	
10 .0001	Total	1,924,144	
 financing:			
Offsetting collections from:			
11 .0001	Federal funds(-)	-17,005	
13 .0001	Trust funds(-)	-698	
14 .0001	Non-Federal sources(-)	-398	
Unobligated balance available, start of year:			
21 .4002	For completion of prior year budget plans		
21 .4003	Available to finance new budget plans	-30,000	
22 .4001	Unobligated balance transferred to other accounts	12,000	
Unobligated balance available, end of year:			
24 .4002	For completion of prior year budget plans		
24 .4003	Available to finance subsequent year budget plans	30,000	
39 .0001	Budget authority	1,936,043	-18,000
 Budget authority:			
40 .0001	Appropriation	2,011,243	
40 .3501	Appropriation rescinded (-)	-45,200	
40 .3601	Appropriation rescinded (unob bal)		-18,000
41 .0001	Transferred to other accounts (-)	-30,000	
43 .0001	Appropriation (adjusted)	1,936,043	-18,000

**Procurement of Ammunition, Army
Program and Financing (In Thousands of dollars) FISCAL YEAR 1990**

		Obligations		
		1990 actual	1991 est.	1992 est.
Identification code		1990 actual	1991 est.	1992 est.
Program by activities:				
00 .0101	Direct program:			
00 .0201	Ammunition	1,534,969	29,978	58,233
00 .0201	Ammunition production base support	199,098	26,626	57,139
00 .9101	Total direct program	1,734,067	56,604	115,372
01 .0101	Reimbursable program	14,672	3,429	-
10.0001	Total	1,748,739	60,033	115,372
Financing:				
Offsetting collections from:				
11.0001	Federal funds(-)	-17,005		
13.0001	Trust funds(-)	-698		
14.0001	Non-Federal sources(-)	-398		
Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans			
21.4003	Available to finance new budget plans			
22.4001	Unobligated balance transferred to other accounts			
Unobligated balance available, end of year:				
24.4002	For completion of prior year budget plans	175,405	115,372	-
24.4003	Available to finance subsequent year budget plans	30,000	-	-
39.0001	Budget authority	1,936,043	-18,000	-
Budget authority:				
40.0001	Appropriation	2,011,243		
40.3501	Appropriation rescinded (-)	-45,200		
40.3601	Appropriation rescinded (unob bal) Transferred to other accounts (-)	-30,000	-18,000	-
41.0001		-	-	-
43.0001	Appropriation (adjusted)	1,936,043	-18,000	-

**Procurement of Ammunition, Army
Program and Financing (in Thousands of dollars) FISCAL YEAR 1991**

		Budget Plan (amounts for PROCUREMENT actions programmed)	
		1990 actual	1991 est.
		1992 est.	1993 est.
Identification code	21-2034-0-1-051		
Program by activities:			
Direct program:			
Ammunition		1,115,753	
Ammunition production base support		235,734	
00.0101	Total direct program		
00.0201		1,351,487	
00.9101	Total direct program		
01.0101	Reimbursable program	40,000	
10.0001	Total		
		1,391,487	
Financing:			
Offsetting collections from:			
Federal funds(-)		-28,748	
Trust funds(-)		-9,700	
Non-Federal sources(-)		-1,552	
11.0001	Unobligated balance available, start of year:		
13.0001	For completion of prior year budget plans		
14.0001	Unobligated balance available, end of year:		
21.4002	For completion of prior year budget plans		
24.4002	For completion of prior year budget plans		
39.0001	Budget authority		
		1,351,487	
Budget authority:			
40.0001	Appropriation	1,367,549	
40.7502	Reduction pursuant to P.L. 101-511 (-)	-368	
41.0001	Transferred to other accounts (-)	-15,694	
43.0001	Appropriation (adjusted)		
		1,351,487	

**Procurement of Ammunition, Army
Program and Financing (in Thousands of dollars) FISCAL YEAR 1991**

Obligations

Identification code	21-2034-0-1-051	1990 actual	1991 est.	1992 est.	1993 est.
Program by activities:					
Direct program:					
Ammunition		1,017,689	34,565	63,499	
Ammunition production base support		222,479	7,180	6,075	
Total direct program		1,240,168	41,745	69,574	
Reimbursable program		40,000			
Total		1,280,168	41,745	69,574	
Financing:					
Offsetting collections from:					
Federal funds (-)		-28,748	--		
Trust funds (-)		-9,700			
Non-Federal sources(-)		-1,552			
Unobligated balance available, start of year:					
For completion of prior year budget plans					
For completion of prior year budget plans					
For completion of prior year budget plans					
Budget authority		1,351,487			
Budget authority:					
Appropriation		1,367,549			
Reduction pursuant to P.L. 101-511 (-)		-368			
Transferred to other accounts (-)		-15,694			
Appropriation (adjusted)		1,351,487			

Procurement of Ammunition, Army
Program and Financing (in Thousands of dollars) FISCAL YEAR 1992

Budget Plan (amounts for PROCUREMENT
actions programmed)

Identification code	21-2034-0-1-051	1990 actual	1991 est.	1992 est.	1993 est.
Program by activities:					
Direct program:					
00.0101	Ammunition			1,048,477	
00.0201	Ammunition production base support			201,323	
00.9101	Total direct program				1,249,800
01.0101	Reimbursable program				40,000
10.0001	Total				1,289,800

Financing:

 Offsetting collections from:

11.0001	Federal funds(-)	-28,748
13.0001	Trust funds(-)	-9,700
14.0001	Non-Federal sources(-)	-1,552

 Unobligated balance available, start of year:

 21.40C2 For completion of prior year budget plans

 Unobligated balance available, end of year:

 24.4002 For completion of prior year budget plans

 40.0001 Budget authority (Appropriation)

 1,249,800

**Procurement of Ammunition, Army
Program and Financing (in Thousands of dollars) FISCAL YEAR 1992**

Obligations

Identification code	21-2034-0-1-051	1990 actual	1991 est.	1992 est.	1993 est.
Program by activities:					
00. 0101 Direct program:					
00. 0201 Ammunition production base support					
00. 9101 Total direct program					
01. 0101 Reimbursable program					
10. 0001 Total					

Financing:

Offsetting collections from:					
Federal funds(-)					
Trust funds(-)					
14.0001 Non-Federal sources(-)					
	Unobligated balance available, start of year:				
21.4002 For completion of prior year budget plans					
24.4002 Unobligated balance available, end of year:					
40.0001 For completion of prior year budget plans					
	Budget authority (Appropriation)				

**Procurement of Ammunition, Army
Program and Financing (In Thousands of dollars) FISCAL YEAR 1993**

**Budget Plan (amounts for PROCUREMENT
actions programmed)**

Identification code	21-2034-0-1-051	1990 actual	1991 est.	1992 est.	1993 est.
Program by activities:					
Direct program:					
00.0101	Ammunition	999,200			
00.0201	Ammunition production base support	196,200			
00.9101	Total direct program			1,195,400	
01.0101	Reimbursable program			40,000	
10.0001	Total				1,235,400
Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)	-28,748			
13.0001	Trust funds(-)	-9,700			
14.0001	Non-Federal sources(-)	-1,552			
24.4002	Unobligated balance available, end of year: For completion of prior year budget plans				
40.0001	Budget authority (Appropriation)			1,195,400	

**Procurement of Ammunition, Army
Program and Financing (in Thousands of dollars) FISCAL YEAR 1993**

Obligations

Identification code	21-2034-0-1-051	1990 actual	1991 est.	1992 est.	1993 est.
Program by activities:					
Direct program:					
00.0101	Ammunition	911,400			
00.0201	Ammunition production base support	185,168			
00.9101	Total direct program			1,096,568	
01.0101	Reimbursable program				40,000
10.0001	Total				1,136,568
Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)	-28,748			
13.0001	Trust funds(-)	-9,700			
14.0001	Non-Federal sources(-)	-1,552			
24.4002	Unobligated balance available, end of year: For completion of prior year budget plans			98,832	
40.0001	Budget authority (Appropriation)				1,195,400

PROCUREMENT OF AMMUNITION, ARMY

Section 2:

Budget Activity Justification

Activity 1 - Ammunition

Activity 2 - Ammunition Production Base Support

**Department of the Army
President's Budget
JUSTIFICATION**

**Appropriation
PROCUREMENT OF AMMUNITION, ARMY**

**FY 1992/FY 1993
Budget**

Budget Program	(\$ Thousands)		
	Actual FY 1990	Estimate FY 1991	Estimate FY 1992
Activity 1 - Ammunition	\$1,623,180	\$1,115,753	\$1,048,477
Direct Budget Plan			\$999,200

Part 1 - PURPOSE AND SCOPE

The FY 1992/FY 1993 President's Budget contains an ammunition program that provides for worldwide training consumption to achieve near-term readiness, and combat sustainability through the acquisition of war reserve stocks. Families of hardware ammunition included in the request are small and medium caliber, mortar, tank, artillery, mines, rockets, other ammunition items and production base. A substantial portion of the request is for recently developed tank rounds and improved artillery ammunition.

Part 2 - JUSTIFICATION OF FUNDS REQUESTED

The FY 1992/FY 1993 program provides for worldwide training consumption and replaces losses to inventory through FY 1992/FY 1993 funded delivery periods, maintains U.S. Army readiness, buys selected items for war reserves through the FY 1997 authorized acquisition objective, and maintains the active ammunition production base at a reduced level from prior years. The following table depicts the ammunition program by major categories.

Ammunition Categorization
(\$ Millions)

	FY 1990	FY 1991	FY 1992	FY 1993
Special	59.1	6.4	7.3	8.6
Small/Medium Caliber	218.2	170.9	136.6	132.4
Mortars	16.3	49.6	36.4	27.4
Tank	337.4	393.9	457.3	368.2
Artillery	563.9	192.9	298.7	320.2
Artillery Fuzes	53.7	61.4	0.0	0.0
Mines	99.2	95.8	8.2	3.0
Rockets	143.2	61.8	2.1	44.0
Other	34.6	7.4	26.5	37.4
Miscellaneous	97.5	75.7	75.4	58.0
Production Base	<u>282.9</u>	<u>222.7</u>	<u>201.3</u>	<u>196.2</u>
Total	1906.0	1338.5	1249.8	1195.4

Procurement new starts in FY 1992 are the Mine, VOLCANO, Practice, XM89; and two Classified Tank rounds. The FY 1993 new starts include the Cartridge, 7.62mm Plastic Training; Cartridge, .50 Caliber, Blank, M928; Projectile, Artillery, 155mm SADARM, XM898; Smoke Pot Safe Training; Grenade, Smoke, Training, XM82; and the Grenade, Hand Smoke Training, XM940.

ITEM BREAKOUT, FY 1992/FY 1993
(\$ Millions)

<u>TYPE</u>	<u>FY 1992</u>	<u>FY 1993</u>	<u>REMARKS</u>
SPECIAL AMMUNITION (FY 1992 - \$7.3 Million; FY 1993 - \$8.6 Million)			
Nuclear Weapons Support Material	7.3	8.6	The FY 1992/FY 1993 request funds production of support materiel/ components for fielded nuclear ammunition currently out of production.

SMALL/MEDIUM CALIBER AMMUNITION (FY 1992 - \$136.6 Million; FY 1993 - \$132.4 Million)

Cartridge, 5.56mm, All Types	64.6	44.7	The FY 1992/FY 1993 request includes funding for 5.56mm M193 Ball ammunition for use in the M16 series of rifles; M200 Blank ammunition for simulated firing in training maneuvers; M200 Blank Linked, M855 Ball Linked, and the 4 Ball/1 Tracer for use in the M249 Squad Automatic Weapon (SAW).
Cartridge, 7.62mm, All Types	10.4	17.3	The FY 1992/FY 1993 request includes funding for 7.62mm M82 Blank Linked, M852 Special Match, 4 Ball/1 Tracer (OHF), M118 Special Ball and M973 Plastic Training ammunition. 7.62mm ammunition is used in Machine Gun Series M60, M73, M219 and M240. Procurement supports annual peacetime training.
Cartridge, 9mm, All Types	.5	3.2	The FY 1992/FY 1993 request includes funding for the 9mm Trainer for the AT-4 and the 9mm Ball cartridge for use in the 9mm handgun. Procurement supports annual peacetime training and builds war reserves.

ITEM BREAKOUT, FY 1992/FY 1993
(\$ Millions)

<u>TYPE</u>	<u>FY 1992</u>	<u>FY 1993</u>	<u>REMARKS</u>
<u>SMALL/MEDIUM CALIBER AMMUNITION (CONT.)</u>			
Cartridge, .45 Caliber, All Types	.1	.6	The FY 1992/FY 1993 request includes funding for the M1911 Ball and Wadcutter. Ammunition is used in the .45 caliber handgun for competitive pistol matches, training and testing.
Cartridge, .50 caliber, All Types	4.5	5.3	The FY 1992/FY 1993 request includes funding for the M33 Ball and M928 Blank. Procurement supports annual peacetime training. Cartridges are used in the caliber .50 machine gun, M2/M3.
Cartridge, 20mm, All Types	10.6	11.3	The FY 1992/FY 1993 request includes funding for M220 and M55 Target Practice cartridges for use in the COBRA gun and the VULCAN Air Defense System. Procurement supports annual peacetime training.
Cartridge, 25mm, All Types	40.7	32.6	The FY 1992/FY 1993 request includes funding for M793 Target Practice and M910 Target Practice Discarding Sabot-Tracer cartridges in support of annual peacetime training and the M919 Armor Piercing Fin Stabilized Discarding Sabot-Tracer the primary war reserve ammunition for use in the 25mm M242 Automatic gun which is mounted on the M2/M3 Bradley Fighting Vehicle System.

ITEM BREAKOUT, FY 1992/FY 1993
(\$ Millions)

<u>TYPE</u>	<u>FY 1992</u>	<u>FY 1993</u>	<u>REMARKS</u>
SMALL/MEDIUM CALIBER AMMUNITION (CONT.)			
Cartridge, 40mm, All Types	5.2	17.3	The FY 1992/FY 1993 request includes funding for the 40mm M430 High-Explosive Dual Purpose (HEDP), smoke and training rounds used with the MK19 machine gun and M79 and M203 grenade launcher attached to the M15/M16A1 rifle. Procurement supports annual peacetime training and builds war reserves.
MORTAR AMMUNITION (FY 1992 - \$36.4 Million; FY 1993 - \$27.4 Million)			
120mm Mortar Cartridges	36.4	27.4	The FY 1992/FY 1993 request includes funding for the XM933/XM934 High-Explosive cartridges for use in the 120mm Mortar System. Procurement is part of the total package fielding of the 120mm mortar system.
TANK AMMUNITION (FY 1992 - \$457.3 Million; FY 1993 - \$368.2 Million)			
105mm Tank Ammunition	123.4	33.5	The FY 1992/FY 1993 request includes funding for M724A1 Discarding Sabot-Target Practice (DS-TP) and the M490A1 Target Practice with Tracer (TP-T) cartridges. The FY 1992 request includes funding for the M900A1 Armor Piercing Fin Stabilized Discarding Sabot-Tracer (APFSDS-T) cartridge. Procurements build war reserves of modern tank ammunition and enhance the Army's ability to conduct realistic tank gunnery training in support of readiness objectives.

ITEM BREAKOUT, FY 1992/FY 1993
(\$ Millions)

<u>TYPE</u>	<u>FY 1992</u>	<u>FY 1993</u>	<u>REMARKS</u>
<u>TANK AMMUNITION (CONT.)</u>			

120mm Tank Ammunition	333.9	333.3	The FY 1992/FY 1993 request includes funding for the M831 Target Practice-Tracer (TP-T) and M865 Target Practice Cone-Stabilized Discarding Sabot-Tracer (TPCSDS-T) rounds in support of tank live-fire training in the M1A1 Abrams tanks. Also, funds Anti-Armor tank rounds (classified program) required to support the fielding of M1 Abrams tanks with ammunition capable of defeating the armor threat.
35mm Subcal for Tank	0.0	1.4	The FY 1993 request supports tank training requirements with the Tank Precision Gunnery Inbore Device and increased tank crew efficiency with substantial cost savings. This round is suitable for training in areas where range safety and environmental concerns limit training with the 120mm training rounds.

ARTILLERY AMMUNITION (FY 1992 - \$298.7 Million, FY 1993 - \$320.2 Million)

105mm High Explosive Rocket Assisted (HERA) Cartridge, M913	15.0	15.1	The FY 1992/FY 1993 request supports the acquisition of a more lethal, extended range artillery round used with the howitzer deployed with Light Infantry Divisions and builds a war reserves stockpile.
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ITEM BREAKOUT, FY 1992/FY 1993
(\$ Millions)

<u>TYPE</u>	<u>FY 1992</u>	<u>FY 1993</u>	<u>REMARKS</u>
<u>ARTILLERY AMMUNITION (CONT.)</u>			
155mm Baseburner, M864	120.9	112.1	The FY 1992/FY 1993 request supports funding to meet war reserve sustainability objectives. This Improved Conventional Munition (ICM) projectile is a dual purpose (DP) anti-armor/anti-personnel round. It provides field artillery units extended range necessary to engage and neutralize deep targets and to achieve the higher survivability associated with increased standoff range. The combined Army and Marine Corps budgets will support two metal parts producers through FY 1992 funded delivery period (FDP) and one through FY 1993 FDP.
155mm SADARM	0.0	43.1	The FY 1993 request supports low rate initial production for the Sense and Destroy Armor (SADARM) projectile which will provide an enhanced counterbattery and anti-armored vehicle capability to attack targets well beyond the Forward Line of Troops. SADARM will provide pinpoint accuracy to destroy hardened targets and will reduce consumption of artillery ammunition. SADARM will support the Howitzer M109 series and M198 Howitzer systems.
Propelling Charges	162.8	149.8	The FY 1992/FY 1993 request balances propelling charges to inventories of artillery projectiles procured for war reserves and training requirements.

ITEM BREAKOUT, FY 1992/FY 1993 (\$ Millions)			
<u>TYPE</u>	<u>FY 1992</u>	<u>FY 1993</u>	<u>REMARKS</u>
<u>MINES (FY 1992 - \$8.2; FY 1993 - \$3.0 Million)</u>			
Mine, Training, All Types	8.2	3.0	The FY 1992 request includes funding for the AT, Practice M20; the VOLCANO, Practice XM89; and the M79. Procurement of the XM89 continues in FY 1993.
<u>ROCKETS (FY 1992 - \$2.1 Million; FY 1993 - \$44.0 Million)</u>			
HYDRA 70 Rockets, All Types	0.0	36.4	The FY 1993 request includes funding for the M276 MPSM (Multi-Purpose Submunition) and M274 Signature Practice Rockets which are needed to support all training schedules and initial qualification training for the COBRA and APACHE aviators. These M274 rockets are safer to use and cheaper than the high explosive (HE) rockets.
Rocket LAW, All Types	2.1	7.6	The FY 1992/FY 1993 request includes funding for the 35mm Practice Training Rocket for the 66mm LAW (Light Anti-Armor Weapon Rocket). Training with this rocket is cheaper than training with the higher cost war reserve rounds. Procurement supports annual peacetime training requirements.
<u>OTHER AMMUNITION (FY 1992 - \$26.5 Million; FY 1993 - \$37.4 Million)</u>			
Primer, Percussion	6.6	6.8	The FY 1992/FY 1993 request includes funding to balance the quantity of artillery components (projectiles, propelling charges, fuze and primer) necessary to make a complete round.

ITEM BREAKOUT, FY 1992/FY 1993
(\$ Millions)

<u>TYPE</u>	<u>FY 1992</u>	<u>FY 1993</u>	<u>REMARKS</u>
OTHER AMMUNITION (CONT.)			
Grenades, All Types	3.9	10.4	The FY 1992/FY 1993 request includes funding for the M228 Fuze which is a pyrotechnic delay fuze used with the M69 delay practice hand grenade. FY 1993 request includes funding for XM82 and XM40 Smoke Grenades to support annual peacetime training.
Signals, All Types	4.6	8.7	The FY 1992/FY 1993 request includes funding for the Signal, M127 White Star Illuminating. FY 1993 request funds Smoke Pot Safe Training. Procurement supports annual peacetime training.
Simulators, All Types	4.7	5.7	The FY 1992/FY 1993 request supports training requirements for various simulators. These devices lend battlefield realism to training exercises without the associated cost, safety, and environmental impacts of live-fire training.
Demolition Munitions	6.6	5.8	The FY 1992/FY 1993 request procures numerous munitions to support training and range clearance requirements. This line includes demolition charges, detonating cords, cutters, blasting caps, igniters, and blasting time fuzes.

ITEM BREAKOUT, FY 1992/FY 1993
(\$ Millions)

<u>TYPE</u>	<u>FY 1992</u>	<u>FY 1993</u>	<u>REMARKS</u>
MISCELLANEOUS (FY 1992 - \$75.4 Million; FY 1993 - \$58.0 Million)			
Ammo Components	24.5	18.6	The FY 1992/FY 1993 request is required for major and minor maintenance and renovation of field stocks; supports special test requirements for all ongoing ammunition procurements; and procures weapons and weapons components required for testing at various Army Proving Grounds.
CAD/PAD, All Types	9.2	9.9	The FY 1992/FY 1993 procurement is required to assure availability of replacement items when needed and avoids grounding aircraft or rendering aircraft partially mission capable.
Items Less Than \$2 Million	1.2	1.3	The FY 1992/FY 1993 funding procures miscellaneous items less than \$2 million.
EOD Explosive Items	2.3	2.9	The FY 1992/FY 1993 procurement supports training requirements for EOD personnel, enhances the capability of remote low-order cutting and detonation of explosive ordnance rendering safe procedures.
Ammunition Peculiar	6.8	6.6	The FY 1992/FY 1993 request procures unique, low density equipment items specifically designed, fabricated, tested, procured, and adopted for use in ammunition depot operations with conventional and chemical ammunition.

ITEM BREAKOUT, FY 1992/FY 1993
(\$ Millions)

<u>TYPE</u>	<u>FY 1992</u>	<u>FY 1993</u>	<u>REMARKS</u>
MISCELLANEOUS (CONT.)			
First Destination	6.3	6.4	The FY 1992/FY 1993 request is required for transportation of Army ammunition end items from manufacturing plants or assembly points, e.g. AAP to a CONUS depot or customer (or other point of first acceptance into the Army supply system) or to a port for transportation to a second destination, e.g., OCONUS customer.
Nitroguanidine	25.1	12.3	The FY 1992/FY 1993 request provides for an economic production rate at Sunflower Army Ammunition Plant, which is the only U.S. source for this critical component. Nitroguanidine is a colorless, crystalline compound required in production of the triple-base propellant used in extended range propelling charges for artillery and tank ammunition. The nitroguanidine procured in this budget line item is over and above that included in the cost of specific munitions. This extra nitroguanidine will be stockpiled for use in future years, permitting the Sunflower AAP to be laidaway for a period of ten years beginning in March 1994.

FY 1992/FY 1993 WAR RESERVE AMMUNITION, TRAINING AMMUNITION AND NON-HARDWARE PROGRAMS

	FY 1992	FY 1993
War Reserve Ammunition	639.9	529.1
Training Ammunition:	345.2	425.4
Non-Hardware Programs:	63.4	44.7
Total	1048.5	999.2

In order to support worldwide training consumption and increase U.S. Army readiness, the following ammunition is being procured:

TRAINING AMMUNITION	FY 1992		FY 1993	
	QUANTITY (THOUSANDS)	DOLLARS (MILLIONS)	QUANTITY (THOUSANDS)	DOLLARS (MILLIONS)
Cartridge, 5.56mm, Ball, M193	131,125	27.3	115,397	24.0
Cartridge, 5.56mm, Blank M200	99,623	16.7	60,550	10.5
Cartridge, 5.56mm, Blank M200 f/SAW	31,676	10.2	18,554	6.2
Cartridge, 5.56mm, Ball M855 Linked	7,426	2.7	6,370	2.4
Cartridge, 5.56mm, 4 Ball/1 Tracer	0	0.0	3,330	1.5
Cartridge, 7.62mm, Blank Linked, M882	32,093	9.4	32,594	9.9
Cartridge, 7.62mm, 4 Ball/1 Tracer Linked	0	0.0	1,828	1.0
Cartridge, 7.62mm, Special Match, M852	486	.3	0	0.0
Cartridge, 7.62mm, Special Match, M118	1,647	.7	2,692	1.1
Cartridge, 7.62mm Plastic Training	0	0.0	8,168	4.5
Cartridge, .22, Ball LR Match	3,070	.2	4,688	.4
Cartridge, Caliber .38 Special Ball	942	.1	666	.1
Cartridge, 9mm Ball	1197	.5	16,046	3.2
Cartridge, 12 Gage, #9 Shot	181	.1	148	.1
Cartridge, .45 Match M1911 Ball	199	.1	3,290	.5
Cartridge, .50 Caliber, Ball, M33	3,116	4.5	2,373	3.6
Cartridge, .50 Caliber, Blank, M928	0	0.0	2,334	1.8
Cartridge, 20mm Linked TP-T, M55	629	2.4	765	3.0
Cartridge, 20mm TP-T Linked, M220	1,855	8.2	1,817	8.3
Cartridge, 25mm LKD, TP-T, M793	1,375	4.9	1,483	16.2
Cartridge, 25mm AP Training, M910	1,020	15.2	1,060	16.4

TRAINING AMMUNITION (CONT.)

	FY 1992 <u>QUANTITY (THOUSANDS)</u>	DOLLARS (MILLIONS)	QUANTITY (THOUSANDS)	DOLLARS (MILLIONS)
	FY 1992		FY 1993	
Cartridge, 40mm TP F/MK19	0	0.0	808	11.9
Cartridge, 40mm Dummy F/MK19	0	0.0	6	.1
Cartridge, 40mm Red Smoke Marker	2	.1	0	0.0
Cartridge, 40mm Green Smoke	6	.1	0	0.0
Cartridge, 40mm Yellow Smoke	6	.1	0	.1
Cartridge, 40mm White Star Para	0	0.0	16	.4
Cartridge, 40mm Red Star Para, M662	3	.1	0	0.0
Cartridge, 40mm Green Star Para, M66	7	.2	0	0.0
Cartridge, 40mm Practice M781	679	2.2	1515	5.0
Cartridge, 120mm Mortar HE, XM934	0	0.0	7	2.4
Cartridge, 120mm Mortar HE XM933	0	0.0	65	18.7
Cartridge, 105mm DS-TP, M724A1	120	29.5	50	12.8
Cartridge, 105mm TP-T, M490A1	120	29.3	82	20.8
Cartridge, 120mm TP-T M831	39	31.4	57	48.1
Cartridge, 120mm TPCSDS-T, M865	176	111.6	177	115.6
Cartridge, Tank, 35mm, Subcal Prac	0	0.0	15	1.4
Charge, Propelling Green Bag	30	5.3	0	0.0
Fuze, Hand Grenade, Practice, M228	2,616	3.9	2,396	3.7
Rocket, Law, Training Practice 35mm	130	2.1	445	7.6
Hydra 70 Rocket, MPSM Prac M267	0	0.0	17	10.9
Hydra 70 Rocket, Signature Practice	0	0.0	69	25.5
Mine, AT, Practice, M20	31	4.6	0	0.0
Mine, Practice, M79	25	.6	0	0.0
Mine, VOLCANO, Practice, XM89	14	3.0	14	3.0
Signal Illuminating Ground White Star	122	4.4	121	4.3
Simulator, Proj Airburst M74	0	0.0	135	2.4
Simulator, Flash Artillery M24	0	0.0	16	.1
Simulator, Flash Artillery MTG	974	1.0	669	.7
Simulator, Booby Trap Flash M1	34	.1	16	.1
Simulator, Hand Grenade, M116 Series	424	3.8	296	2.5
Simulator, Booby Trap Whistling	0	0.0	21	.1
Flare Surface, Trip M49 Series	10	.2	10	.2
Smoke Pot Safe Training	0	0.0	14	4.3
Charge Demo Block Comp C-4 1 1/4 lb	306	1.7	306	1.8

<u>TRAINING AMMUNITION (CONT.)</u>	FY 1992		FY 1993	
	<u>QUANTITY (THOUSANDS)</u>	<u>DOLLARS (MILLIONS)</u>	<u>QUANTITY (THOUSANDS)</u>	<u>DOLLARS (MILLIONS)</u>
Charge Demo 40lb Cratering Cap, Blasting M6 Special Electric Cap, Blasting M7 Special Non-Electric Fuze Blasting Time M700 Igniter, Fuse Blasting Time M6 Cutter Cartridge Actuated M2 Series Cutter Cartridge Actuated 4 Sec Del Primer Percussion, M82 Hand Grenade Smoke Trg XM40	0 0 0 495 151 25 8 1,823 0	0.0 0.0 0.0 .1 .4 1.4 .5 5.7 0.0	0.0 64 172 959 149 25 8 1,807 136	.7 .3 .2 .1 .4 1.4 .5 5.9 3.0

DOLLARS MAY NOT ADD DUE TO ROUNDING

**Department of the Army
President's Budget
JUSTIFICATION**

**Appropriation
PROCUREMENT OF AMMUNITION, ARMY**

**FY 1992/FY 1993
Budget**

Budget Program	(\$ Thousands)		
Activity 2 - Ammunition Production Base Support	Actual FY 1990	Estimate FY 1991	Estimate FY 1992
Direct Budget Plan	\$282,863	\$222,734	\$201,323
			\$196,200

Part 1 - PURPOSE AND SCOPE

The FY 1992/1993 President's Budget contains an ammunition production base support program that provides for the support of plants in active production and inactive plants required for mobilization; the establishment of an initial production facility; correction of environmental and safety deficiencies; proving ground modernization; layaway of industrial facilities and equipment, which is the procedure associated with placing a previously active production facility or line into inactive status; and components for prove-out, which refers to the procedures associated with demonstrating that a production facility or line is capable of manufacturing an ammunition item; and maintenance of inactive industrial facilities after they are laid away. Also included in the program beginning in FY 1992 is funding for demilitarization of conventional ammunition.

Part 2 - JUSTIFICATION OF FUNDS REQUESTED

**Production Base Support Categorization
(\$ Millions)**

	FY 1990	FY 1991	FY 1992	FY 1993
Provision of Industrial Facilities	186.2	116.6	74.9	69.3
Proving Ground Modernization	2.0	4.0	1.5	1.5
Layaway of Industrial Facilities	28.0	22.2	29.0	31.7
Components for Prove-out of Production Facilities	2.0	12.1	1.8	2.3
Maintenance of Inactive Industrial Facilities	64.6	67.8	70.1	72.4
Conventional Ammo Demilitarization	—	—	<u>24.0</u>	<u>19.0</u>
Ammunition Production Base Support Total	282.9	222.7	201.3	196.2

ITEM BREAKOUT, FY 1992/1993
(\$ Millions)

PROVISION OF INDUSTRIAL FACILITIES	FY 1992	FY 1993
	74.9	69.3

Funds requested for Provision of Industrial Facilities provide for an initial production facility for Sensor Fuzed Weapons, and for correction of environmental and safety deficiencies. Also included is funding for production support and equipment replacement at active plants. The majority of funds requested are concentrated in the safety and environmental efforts. In FY 1992, \$50.2 million (including construction) is requested for modernization, expansion, and initial production facilities. In FY 1993, \$ 47.1 million is requested for this effort. In addition, \$24.7 million in FY 1992 and \$22.2 million in FY 1993 are requested for production support and equipment replacement.

The FY 1992 request of \$ 74.9 million contains the following projects:

To treat propellant production effluents at Radford Army Ammunition Plant (AAP), Radford, Virginia, \$12.3 million is requested for a wastewater treatment plant. This effort will bring the plant into compliance with the National Pollutant Discharge Elimination System permit.

At Milan Army Ammunition Plant (MAAP), Milan, Tennessee, \$1.8 million is requested for a Laundry Wastewater Treatment facility. The laundry wastewater currently contains explosives in sufficient concentration to violate existing permits.

To upgrade the Water Distribution System at Lone Star Army Ammunition Plant (AAP), Texarkana, Texas, \$4.7 million is requested. This effort is required to replace portions of the system that will be 50 years old in FY 92. The project will include replacement of main loops, including 12 and 16 inch lines and valves.

In an effort to meet environmental laws and regulations, \$9.8 million is requested to restore land and equipment that have been damaged, contaminated, or disturbed by activities at the ammunition plants and to modify/expand production operations and processes to meet the requirements of various environmental laws and regulations.

ITEM BREAKOUT, FY 1992/1993
(\$ Millions)

FY 1992

FY 1993

PROVISION OF INDUSTRIAL FACILITIES (CONT.)

An initial production facility to load, assemble and pack (LAP) the Air Force Sensor Fuzed Weapon (SFW) at Kansas Army Ammunition Plant, Parsons, Kansas, is planned. \$4.4 million is requested for equipment unique to LAP of the SFW. The SFW will be produced on the 1100 line established under the Combined Effects Munitions program.

Engineering design funds of \$17.2 million are required for initiation and/or continuation of construction criteria, equipment, and concept, final and process design; and other design related work necessary to assure efficient and timely execution of current and future facility projects.

Funding in the amount of \$24.7 million is requested for the necessary production support and equipment replacement at active ammunition plants.

ITEM BREAKOUT, FY 1992/1993
(\$ Millions)

FY 1992 FY 1993

PROVISION OF INDUSTRIAL FACILITIES (CONT.)

The FY 1993 request of \$ 69.3 Million contains the following projects:

To provide facilities at Holston Army Ammunition Plant (AAP), Kingsport, Tennessee, to recover and convert the sodium nitrate by-product from acid recovery operations into explosive free materials suitable for internal recycle, \$7.0 million is requested. Internal recycle will avoid the vagaries of commercial markets to dispose of the by-product.

At Radford AAP, Radford, Virginia, \$6.1 million is requested for automated Dinitrotoluene (DNT) handling equipment. This equipment will be used for removing DNT from shipping containers and placing it into equipment for screening and measured distribution for use in the single base propellant mix house.

At Radford AAP, Radford, Virginia, \$7.3 million is requested to construct a replacement anhydrous ammonia storage facility. A leak or failure of the existing, deteriorated, 40 year old ammonia tank would expose approximately 300 people to life threatening ammonia fumes.

As part of a continuing effort to meet environmental laws and regulations, \$7.3 million is requested to restore land and equipment that have been damaged, contaminated, or disturbed by activities at the ammunition plants and to modify/expand production operations and processes to meet the requirements of various environmental laws and regulations.

Engineering design funds in the amount of \$19.4 million are required for initiation and/or construction criteria, equipment, and concept; final design, process design, and other design related work necessary to assure efficient and timely execution of facility projects.

Also included in the FY 1993 request is \$22.2 million for the necessary production support and equipment replacement for plants in active production.

ITEM BREAKOUT, FY 1992/1993
(\$ Millions)

	FY 1992	FY 1993
<u>LAYAWAY OF INDUSTRIAL FACILITIES</u>	29.0	31.7

The \$29.0 million requested for layaway in FY 1992 and \$31.7 million in FY 1993 is for the protection and preservation of equipment and facilities no longer required for active production, but which must be retained for future peacetime or mobilization production needs.

Significant Layaway Efforts budgeted in FY 1992:

Layaway of the artillery metal parts production equipment at Norris Industries (NI), selected propellant/explosives production buildings at Radford AAP, load lines and support facilities at Indiana AAP, and lines at Longhorn AAP, Louisiana AAP and Kansas AAP.

Significant Layaway Efforts budgeted in FY 1993:

Continuation of layaway of lines at Indiana AAP, Longhorn AAP, Louisiana AAP and Kansas AAP as production ends; and selected double and triple base propellant production buildings at Radford AAP as a result of reduced workload.

COMPONENTS FOR PROVE-OUT

This line provides for the prove-out and acceptance of prior year modernization, expansion and initial production facilities. Funds are used to assure that the facility is capable of producing an acceptable end product, manufacturer warranties are met, and the facility is capable of producing at the designed rate.

The FY 1992 program includes prove-out of the TRN process at Lake City Army Ammunition Plant (AAP), the 105/155mm Remote Cavity Drill equipment at Iowa AAP and Air Compressors/Dryers at Lake City AAP.

The FY 1993 prove-out program includes Pyrotechnic Safety Enhancements at Lone Star Army Ammunition Plant (AAP), Texarkana, Texas, Laundry Wastewater Treatment facility at Milan AAP, Milan Tennessee and Dryers/Air Compressors at Holston AAP, Kingsport, Tennessee.

ITEM BREAKOUT, FY 1992/1993
(\$ Millions)

	FY 1992	FY 1993
PROVING GROUND MODERNIZATION	1.5	1.5

This program will modernize and upgrade existing test instrumentation to conduct production acceptance testing of Army ammunition components. This effort will replace obsolete, unreliable, or economically unrepairable test equipment and instrumentation currently in use. This will result in more accurate reliable data and faster turn around of the production items being tested. This will also allow for earlier release of product, avoiding the requirement for additional storage facilities, and reduce waste and scrap resulting from stopping faulty production. Jefferson Proving Ground is on the proposed base closure list for Department of Defense installations. The mission performed at Jefferson Proving Ground will be transferred to Yuma Proving Ground and the equipment will be moved.

MAINTENANCE OF INACTIVE INDUSTRIAL FACILITIES

The funds provide for the maintenance of laidaway portions of active plants including utilities, buildings, nonserviceable plant equipment, administration, surveillance, inspection, protection, and maintenance and repair of buildings, grounds, railroads, and integral equipment. The program also supports retention, maintenance and protection of the government-owned, inactive plants and inactive lines of active plants which are needed to assure emergency production capacity for mission essential material. The program also supports maintenance, protection, repair, and rebuild of government-owned plant equipment packages including industrial plant equipment, other plant equipment, special tooling and special test equipment. These plant equipment packages are maintained in anticipation of future production and mobilization requirements of ammunition. Facilities maintained include ten inactive GOCO plants, inactive lines at 16 active plants (three GOCO and 13 GOCO), and inactive lines at 26 contractor plants.

ITEM BREAKOUT, FY 1992/1993
(\$ Millions)

	FY 1992	FY 1993
<u>CONVENTIONAL AMMUNITION DEMILITARIZATION</u>	24.0	19.0

The conventional ammunition demilitarization program funds the demilitarization and disposal of hazardous, unsafe munitions for all four services. It also funds the elimination of obsolete or uneconomically repairable ammunition for all four Services. As of March 1990, over 196,000 short tons of munitions was in the demilitarization stockpile awaiting demil. The demil account has experienced a growth of over 40,000 short tons since 1986. This growth has a negative impact on explosive safety and storage space availability. As large scale retrograde programs of ammunition from various theaters and retail locations occur, the growing storage requirements for munitions awaiting demilitarization could result in new military construction requirements or outside temporary storage of munitions. The demilitarization program will eliminate unsafe, hazardous munitions and free up vitally needed space. This will also allow for easier accommodation of large retrogrades, including some expected eliminations of rocket motors, despite storage space loss directed by Base Realignment and Closure.

PROCUREMENT OF AMMUNITION, ARMY

Section 3:

Comparison of Program Requirements and Financing

PROCUREMENT OF AMMUNITION, ARMY

Section 3

Comparison of Programming Requirements and Financing

Comparison of FY 1991 program requirements as reflected in the FY 1991 Budget with FY 1991 program requirements as shown in the FY 1992/1993 Budget Estimate.

Comparison of FY 1991 financing as reflected in the FY 1991 Budget with FY 1991 financing as shown in the FY 1992/1993 Budget Estimate.

Comparison of FY 1990 program requirements as reflected in the FY 1991 Budget with FY 1990 program requirements as shown in the FY 1992/1993 Budget Estimate.

Comparison of FY 1990 financing as reflected in the FY 1991 Budget with FY 1990 financing as shown in the FY 1992/1993 Budget Estimate.

COMPARISON OF FY 1991 PROGRAM REQUIREMENTS
 AS REFLECTED IN THE FY 1991 BUDGET
 WITH THE FY 1991 PROGRAM REQUIREMENTS AS SHOWN
 IN THE FY 1992/1993 BUDGET ESTIMATE
 SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

	FY 1991 Requirements Per FY 1991 Budget	FY 1991 Requirements Per FY 1992/1993 Budget Estimate	Increase (+) or Decrease (-)
Appropriation Procurement of Ammunition, Army			
Activity 1 - Ammunition	1,165,319	1,115,753	-49,566
Activity 2 - Ammunition Production Base Support	259,081	222,734	-23,347
TOTAL	1,424,400	1,338,487	-72,913

EXPLANATION BY ACTIVITY

Activity 1 - Ammunition - The net decrease resulted from Congressional adjustments to 155mm Chemical (\$-74,303), 30mm Ctg (\$-4,300), M840 (\$+4,994), XM934 (\$+11,762), XM933 (\$+12,577), XM930 (\$+2,865), XM929 (\$+18,310), 105mm (\$+16,600), Classified Project (\$-10,402), M831 (\$-5,800), M395 (\$-5,740), M913 (\$-10,646), M804 (\$-32,557), M107 (\$+32,557), M577 (\$+10,700), Fuzes (\$+18,000), charges (\$+18,200), Demo Munition (\$-2,800), Grenades (\$-6,600), Signals (\$-1,400), Simulators (\$-6,600), Items Less Than \$2.0M (\$-1,400), Host Nation (\$-18,621), Nitroguanidine (\$+1,100), general reduction for discount air fare savings (\$-368), and reprogramming for Military Pay (\$-15,694).

Activity 2 - Ammunition Production Base Support - The net decrease resulted from Congressional adjustments to Provision of Industrial Facilities (\$-5,047), Layaway of Industrial Facilities (\$-18,300) and proposed rescission for HMX (\$-13,000).

COMPARISON OF FY 1991 FINANCING AS REFLECTED
IN THE FY 1991 BUDGET WITH FY 1991 FINANCING
AS SHOWN IN FY 1992/1993 BUDGET ESTIMATE

	(In Thousands of Dollars)		
	FY 1991 Financing FY 1991 Budget	FY 1991 Per FY 1992/1993 Budget Estimate	FY 1991 Increase (+) or Decrease (-)
Program Requirements (Total)	1,464,400	1,391,487	-72,913
Program Requirements (Service Account)	(1,424,400)	(1,351,487)	(-72,913)
Program Requirements (Reimbursable)	(40,000)	(40,000)	(0)
Less:			
Anticipated reimbursements	-40,000	-40,000	0
Unobligated balance available to finance new budget plans		-102,000	-102,000
Add:			
Unobligated balance transferred to other accounts		+12,000	+12,000
BUDGET AUTHORITY			
Appropriation	1,424,400	1,261,487	-162,913
EXPLANATION:			

The unobligated balance available to finance new budget plans resulted from FY 1990 rescission (\$-12,000), FY 1989 rescission (\$-72,000), and FY 1988 rescission (\$-18,000).

The unobligated balance transferred to other accounts resulted from FY 1990 rescission of (\$-12,000).

COMPARISON OF FY 1990 PROGRAM REQUIREMENTS
 AS REFLECTED IN THE FY 1991 BUDGET
 WITH THE FY 1990 PROGRAM REQUIREMENTS AS SHOWN
 IN THE FY 1992/1993 BUDGET ESTIMATE
 SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

	FY 1990 Requirements Per FY 1991 Budget	FY 1990 Requirements Per FY 1992/1993 Budget Estimate	Increase (+) or Decrease (-)
Appropriation Procurement of Ammunition, Army			
Activity 1 - Ammunition	1,577,163	1,623,180	+46,017
Activity 2 - Ammunition Production Base Support	331,880	282,863	-49,017
TOTAL	1,909,043	1,906,043	-3,000

EXPLANATION BY ACTIVITY

Activity 1 - Ammunition - The net increase resulted from Congressional denial of a proposed transfer of deferred program (\$+90,000), transfer for Military Pay (\$-29,800), FY 1990 rescission (\$-45,200), FY 1991 rescission (\$-18,000), and net reprogrammings (\$+49,017).

Activity 2 - Ammunition Production Base Support - The net decrease resulted from net reprogrammings (\$-49,017).

COMPARISON OF FY 1990 FINANCING AS REFLECTED
IN THE FY 1991 BUDGET WITH FY 1990 FINANCING
AS SHOWN IN FY 1992/1993 BUDGET ESTIMATE

(In Thousands of Dollars)

	FY 1990 Financing Per FY 1991 Budget	FY 1990 Financing Per FY 1992/1993 Budget Estimate	FY 1990 Increase (+) or Decrease (-)
Program Requirements (Total)	1,949,043	1,924,144	-24,899
Program Requirements (Service Account)	(1,909,043)	(1,906,043)	(-3,000)
Program Requirements (Reimbursable)	(40,000)	(18,101)	(-21,899)
Less:			
Anticipated reimbursements	-40,000	-18,101	+21,899
Reprogramming from/to prior year budget plans		-310,453	-310,453
Add:			
Available to finance subsequent year budget plans	+90,000	+102,000	+12,000
Unobligated balance transferred to other accounts		+162,963	+162,963
Unobligated balance lapsing		+453	+453
BUDGET AUTHORITY Appropriation	1,999,043	1,861,006	-138,037

EXPLANATION:

The reimbursable program (offsetting collections) decreased by \$21,899 because orders did not materialize as anticipated.

The reprogramming from/to prior year budget plans resulted from reprogramming actions for Operation Just Cause (\$-146,257) and Hurricane Hugo (\$-16,706) Desert Shield Supplemental (\$-75,037), FY 1989 rescission (\$-72,000), and unobligated balance lapsing (\$-453).

The available to finance subsequent year budget plans resulted from a reprogramming action to the Drug Interdiction Program.

The unobligated balance transferred to other accounts resulted from reprogramming actions for Operation Just Cause (\$+146,257) and Hurricane Hugo (\$+16,706).